## Claims

[c1]	1.A solid oxide fuel cell comprising an electrode layer applied to an electrolyte layer wherein the electrode layer is not contiguous but rather is formed from a plurality of substantially discrete elements separated by substantially uniform gaps.
[c2]	2.The solid oxide fuel cell of claim 1 wherein the discrete elements are polygonal in shape.
[c3]	3.The solid oxide fuel cell of claim 2 wherein the polygonal discrete elements are hexagonal in shape.
[c4]	4.The solid oxide fuel cell of claim 3 wherein said hexagons are regular hexagons.
[c5]	5.The solid oxide fuel cell of claim 1 further comprising a contact paste layer applied to the electrode layer.
[c6]	6.The solid oxide fuel cell of claim 5 wherein the contact paste layer is lanthanum cobaltate.
[c7]	7.The solid oxide fuel cell of claim 6 wherein the contact paste layer is not sintered prior to use.
[c8]	8.The solid oxide fuel cell of claim 1 wherein the gaps take up less than about 5% of the surface area of the electrode.
[c9]	9.The solid oxide fuel cell of claim 8 wherein the gaps take up less than about 2% of the surface area of the electrode.
[c10]	10.The solid oxide fuel cell of claim 9 wherein the gaps take up less than about 1% of the surface area of the electrode.
[c11]	11.A solid oxide fuel cell comprising an electrode layer applied to an electrolyte layer wherein the electrode layer is not contiguous but rather is formed from a plurality of substantially discrete hexagonal elements

separated by substantially uniform gaps, wherein the gaps take up less than

about 2% of the surface area of the electrode.

[c12] 12.A method of applying an electrode layer to an electrolyte layer in a SOFC comprising the steps of:

(a)providing a screen defining a pattern comprising a plurality of discrete elements;

(b)screen printing an electrode paste through the screen and onto the electrolyte such that the resulting electrode layer comprises a plurality of discrete elements which are separated by substantially uniform and narrow gaps;

(c)sintering the electrode layer.

[c13] 13. The method of claim 11 further comprising the step of adding a contact paste layer over the electrode layer.

[c14] 14. The method of claim 11 wherein the discrete elements have a regular hexagonal shape and the pattern comprises a honeycomb array of elements.